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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/522,321	07/06/2005	Keith Biggadike	PG4858USw	8829
23347 7590 08/16/2007 GLAXOSMITHKLINE			EXAMINER	
CORPORATE INTELLECTUAL PROPERTY, MAI B475	AULAKH, CHARANJIT			
	FIVE MOORE DR., PO BOX 13398 RESEARCH TRIANGLE PARK, NC 27709-3398	ART UNIT	PAPER NUMBER	
·	1625			
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			MAIL DATE	DELIVERY MODE
			08/16/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)
	10/522,321	BIGGADIKE ET AL.
Office Action Summary	Examiner	Art Unit
	Charanjit S. Aulakh	1625
The MAILING DATE of this communica Period for Reply	tion appears on the cover sheet wit	h the correspondence address
A SHORTENED STATUTORY PERIOD FOR WHICHEVER IS LONGER, FROM THE MAII - Extensions of time may be available under the provisions of 3 after SIX (6) MONTHS from the mailing date of this communi - If NO period for reply is specified above, the maximum statuti - Failure to reply within the set or extended period for reply will Any reply received by the Office later than three months after earned patent term adjustment. See 37 CFR 1.704(b).	LING DATE OF THIS COMMUNIC 17 CFR 1.136(a). In no event, however, may a re- cation. ory period will apply and will expire SIX (6) MON by statute, cause the application to become ABA	CATION. Poply be timely filed THS from the mailing date of this communication. ANDONED (35 U.S.C. § 133).
Status		
 Responsive to communication(s) filed of the communication (s) filed of the comm	☐ This action is non-final. allowance except for formal matter	•
Disposition of Claims		
4)	withdrawn from consideration.	
Application Papers		
9) The specification is objected to by the E 10) The drawing(s) filed on is/are: a Applicant may not request that any objection Replacement drawing sheet(s) including the second or declaration is objected to be) accepted or b) objected to be on to the drawing(s) be held in abeyan e correction is required if the drawing(ce. See 37 CFR 1.85(a). s) is objected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
	cuments have been received. cuments have been received in Ap the priority documents have been I Bureau (PCT Rule 17.2(a)).	pplication No received in this National Stage
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	-948) Paper No(s	ummary (PTO-413))/Mail Date formal Patent Application

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DETAILED ACTION

1. According to paper filed on June 13, 2007, the applicants have canceled claim 9 and furthermore, have amended claims 1 and 12.

2. Claims 1-8, 10-12, 14 and 16-33 are now pending in the application.

Response to Arguments

3. Applicant's arguments filed on June 13, 2007 have been fully considered but they are not persuasive regarding enablement rejection. The applicants have amended claims to overcome all prior art rejections. In regard to enablement rejection, the examiner does not agree with the applicant's arguments that one skilled in the art is able to prepare solvates of the claimed compounds without any undue experimentation. On the other hand, the applicants admit on the record that "applicants have enabled one of ordinary skill in the art to prepare the claimed compounds, one of ordinary skill in the art can readily extrapolate such teachings to form solvates from such compounds". First of all, if it is true, then it would have been obvious to one skilled in the art to prepare these solvates. Secondly, the instant compounds are novel and not known in the prior art and therefore, without any teaching or guidance in the specification, it would require undue experimentation to select specific solvates with enhanced stability properties. In regard to methods of treatment using these compounds either alone or in combination with hundreds of thousands of other therapeutic agents, the examiner does not agree with the applicant's arguments that IC50 data unquestionably fulfills the enablement requirement and would enable one of ordinary skill in the art to conclude that the instant claims are enabled. There is no IC50 data in the specification using

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either the instant compounds alone or in combination with any other therapeutic agent. There is lot of unpredictability of the outcome of combination treatment due to drug interaction. The combination with other agents of diverse mechanisms such as beta-2 anatgonists may compromise the therapeutic effect of instant compounds having beta-2 agonist activity. There are no working examples present showing efficacy of either instant compounds alone or in combination with any other agent in animal models of any disease condition. In absence of such teachings, guidance, presence of working examples and unpredictability, it would require undue experimentation.

Conclusion

4. Rejection of claims 1-8, 10-12, 14 and 16-33 under 35 U.S.C. 112, first paragraph is maintained for the reasons of record.

NEW GROUNDS OF REJECTION

Claim Rejections - 35 USC § 112

5. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

6. Claims 1-8, 10-12, 14 and 16-33 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In independent claim 1, the applicants have amended claim 1 to delete the value of variable R1 as H. However, the proviso at the end of claim "when R1 is H " is confusing since the actual intent is not clear. Is it needed in view of the amendment?

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7. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Charanjit S. Aulakh whose telephone number is (571)272-0678. The examiner can normally be reached on Monday through Friday, 8:30 A.M. to 5:00 P.M..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Janet Andres can be reached on (571)272-0867. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Charanjit S. Aulakh Primary Examiner Art Unit 1625